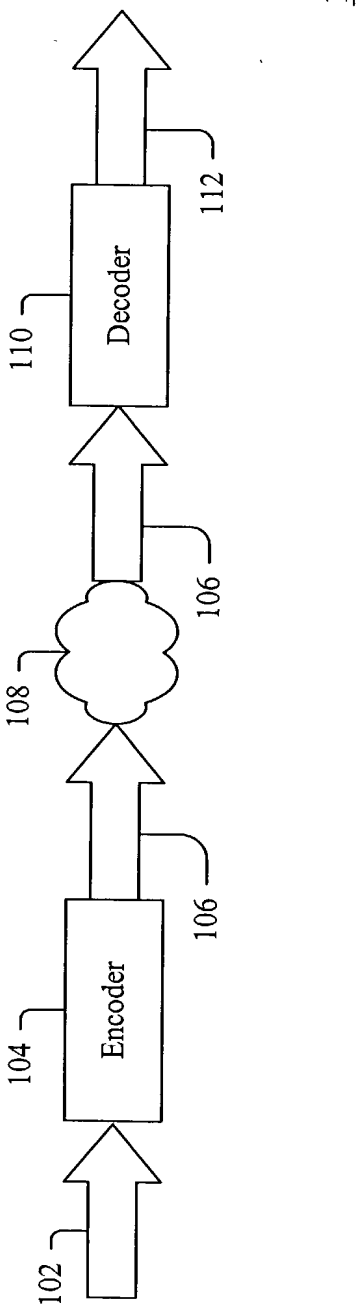

Figure 1

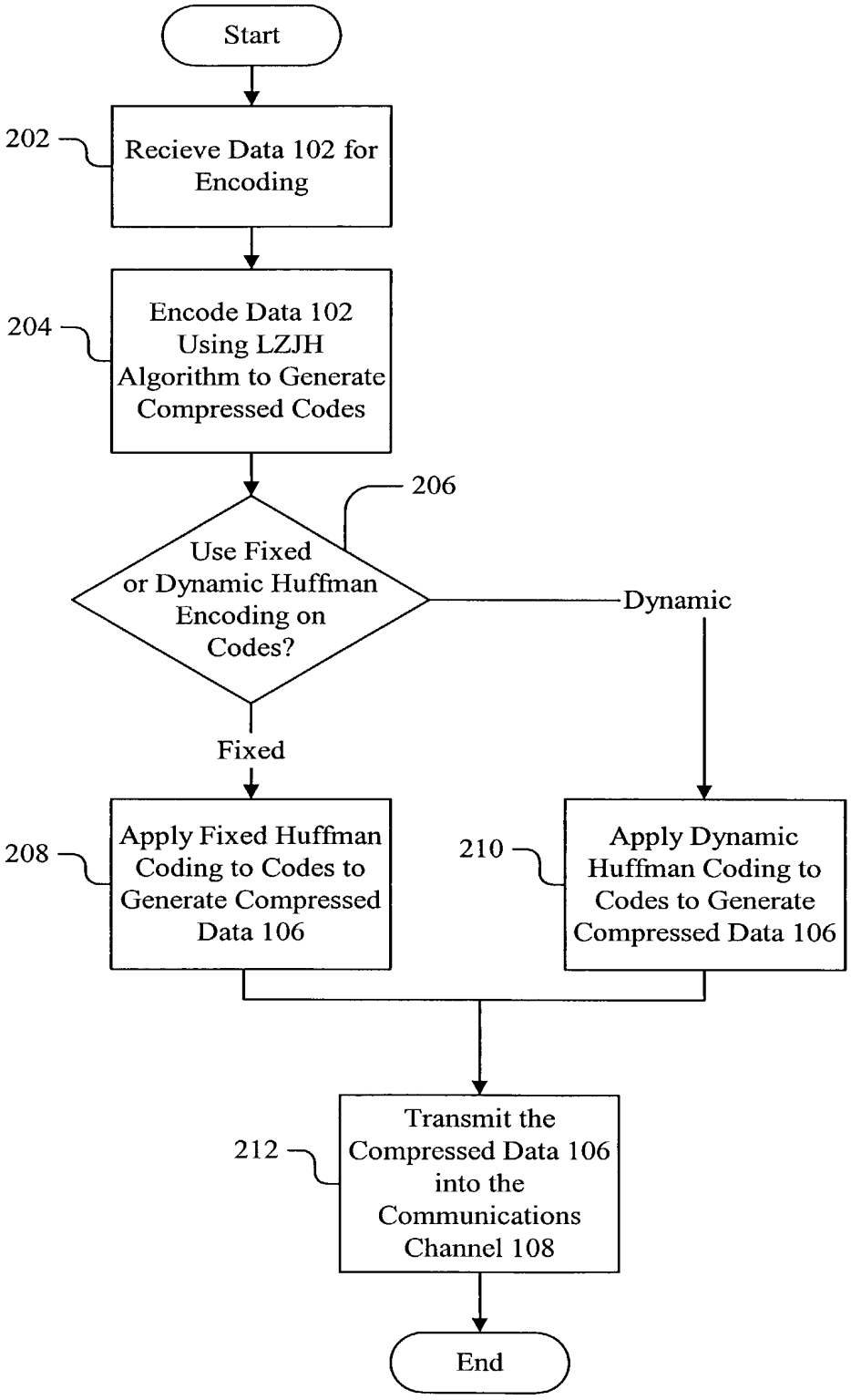
Start
202
Recieve Data 102 for Encoding
204
Encode Data 102 Using LZJH Algorithm to Generate Compressed Codes
206
Use Fixed or Dynamic Huffman Encoding on Codes?
Dynamic
Fixed
208
Apply Fixed Huffman Coding to Codes to Generate Compressed Data 106
210
Apply Dynamic Huffman Coding to Codes to Generate Compressed Data 106
212
Transmit the Compressed Data 106 into the Communications Channel 108
End

Figure 2a

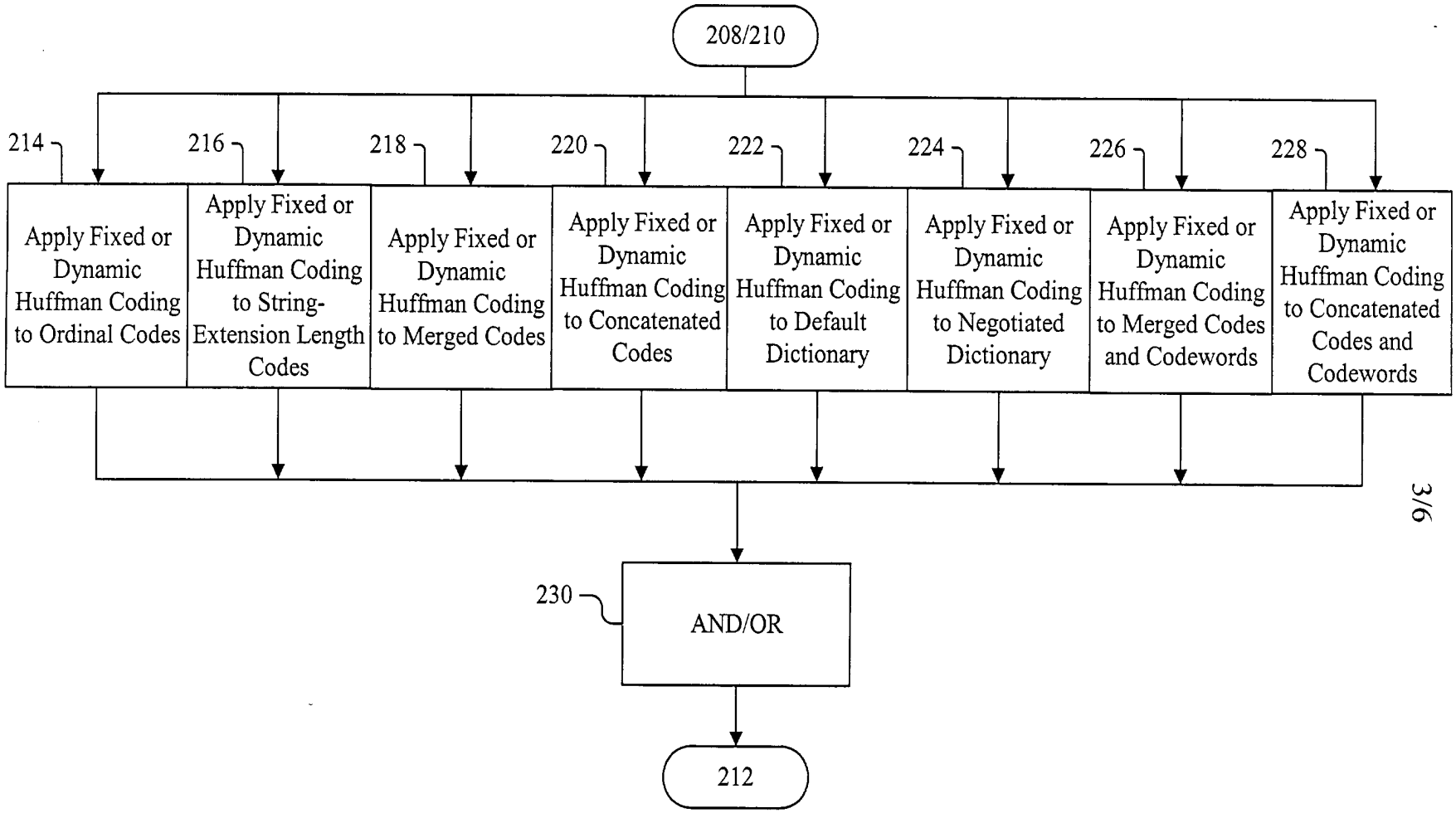
208/210
214
216
218
220
222
224
226
228
Apply Fixed or Dynamic Huffman Coding to Ordinal Codes
Apply Fixed or Dynamic Huffman Coding to String-Extension Length Codes
Apply Fixed or Dynamic Huffman Coding to Merged Codes
Apply Fixed or Dynamic Huffman Coding to Concatenated Codes
Apply Fixed or Dynamic Huffman Coding to Default Dictionary
Apply Fixed or Dynamic Huffman Coding to Negotiated Dictionary
Apply Fixed or Dynamic Huffman Coding to Merged Codes and Codewords
Apply Fixed or Dynamic Huffman Coding to Concatenated Codes and Codewords
230
AND/OR
212

Figure 2b

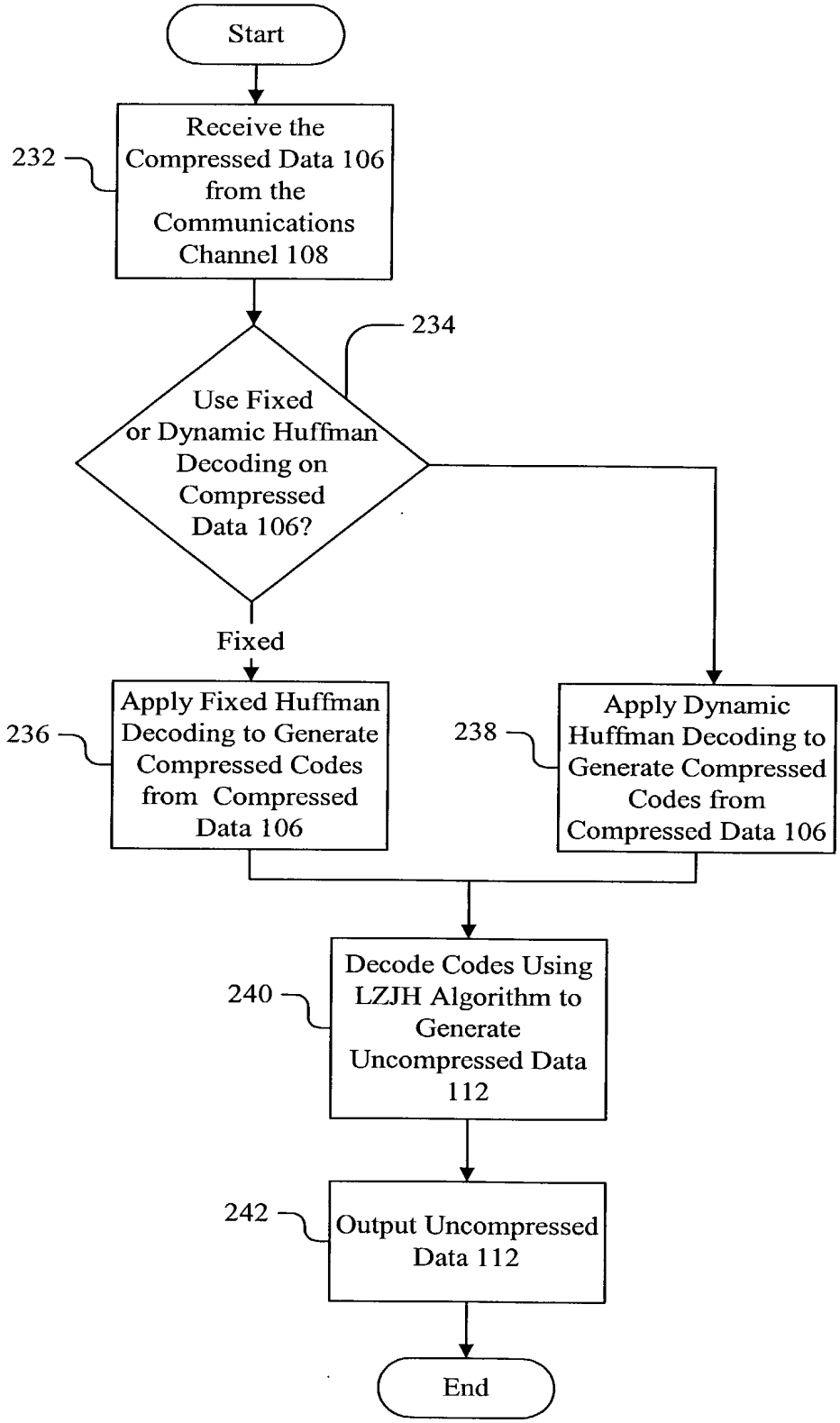
Start
Receive the Compressed Data 106 from the Communications Channel 108
232
234
Use Fixed or Dynamic Huffman Decoding on Compressed Data 106?
Fixed
Apply Fixed Huffman Decoding to Generate Compressed Codes from Compressed Data 106
236
Apply Dynamic Huffman Decoding to Generate Compressed Codes from Compressed Data 106
238
Decode Codes Using LZJH Algorithm to Generate Uncompressed Data 112
240
Output Uncompressed Data 112
242
End

Figure 2c

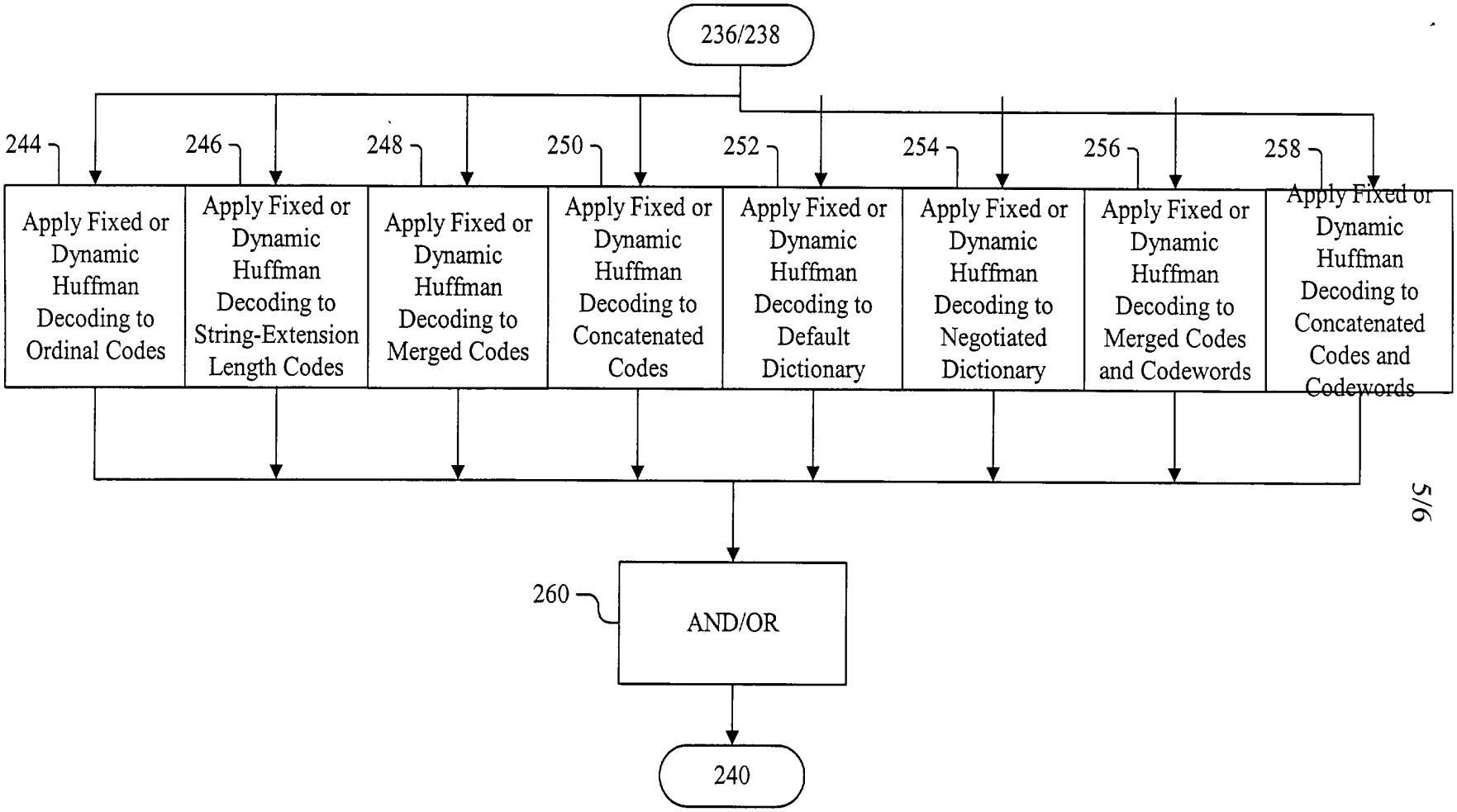
236/238
244
246
248
250
252
254
256
258
Apply Fixed or Dynamic Huffman Decoding to Ordinal Codes
Apply Fixed or Dynamic Huffman Decoding to String-Extension Length Codes
Apply Fixed or Dynamic Huffman Decoding to Merged Codes
Apply Fixed or Dynamic Huffman Decoding to Concatenated Codes
Apply Fixed or Dynamic Huffman Decoding to Default Dictionary
Apply Fixed or Dynamic Huffman Decoding to Negotiated Dictionary
Apply Fixed or Dynamic Huffman Decoding to Merged Codes and Codewords
Apply Fixed or Dynamic Huffman Decoding to Concatenated Codes and Codewords
260
AND/OR
240

Figure 2d

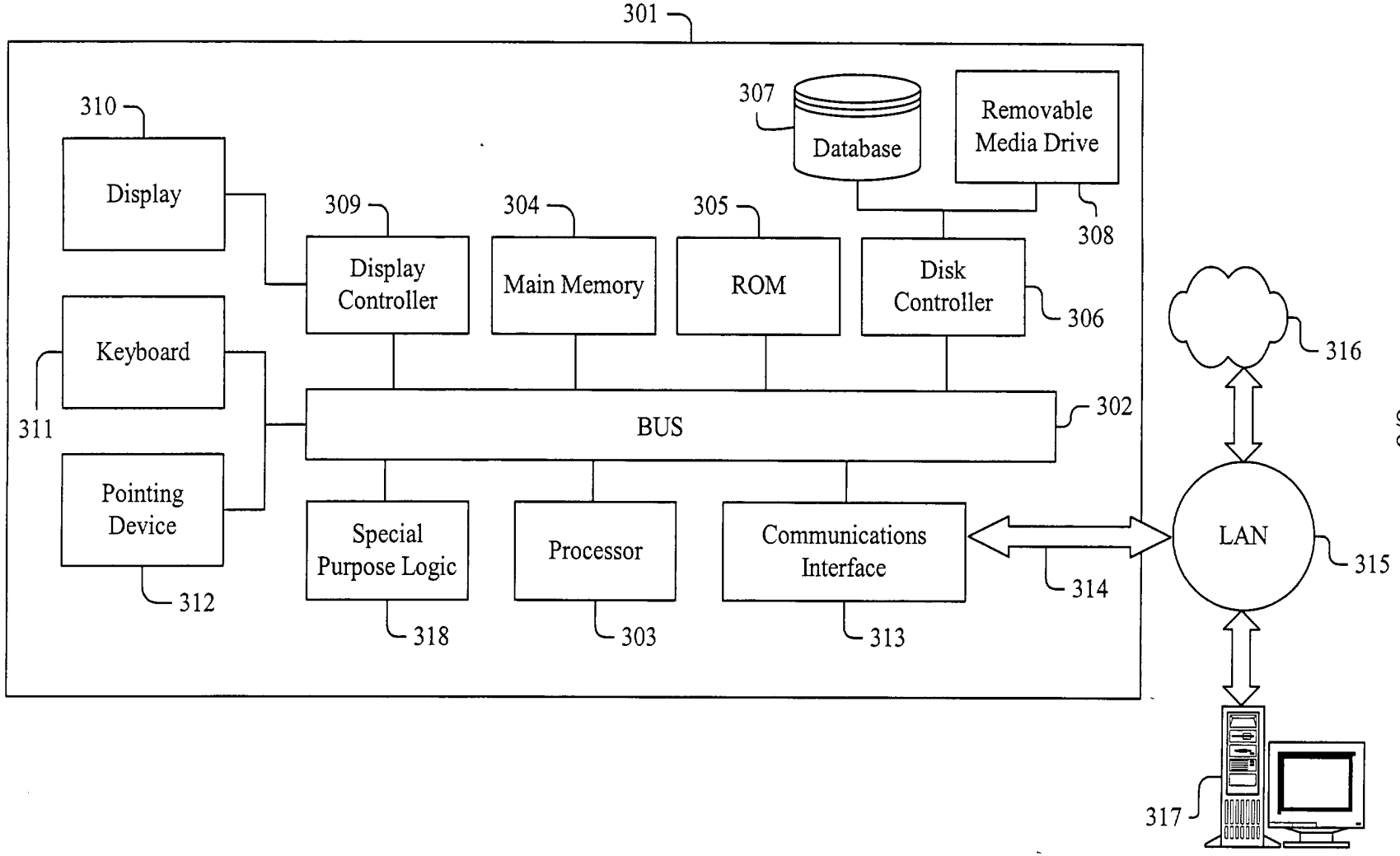
301
310
Display
307
Database
Removable Media Drive
308
309
Display Controller
304
Main Memory
305
ROM
Disk Controller
306
316
Keyboard
311
BUS
302
Pointing Device
312
Special Purpose Logic
318
Processor
303
Communications Interface
313
314
LAN
315
317

Figure 3